

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P386951

Luminaire Tested: **GPC-SA2C-830-U-SLL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P386951
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-26)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GPC-SA2C-830-U-SLL
Description: GALLEON PEDESTRIAN LUMINAIRE
(2) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10309 lumens
Efficiency: N/A
Efficacy: 92.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

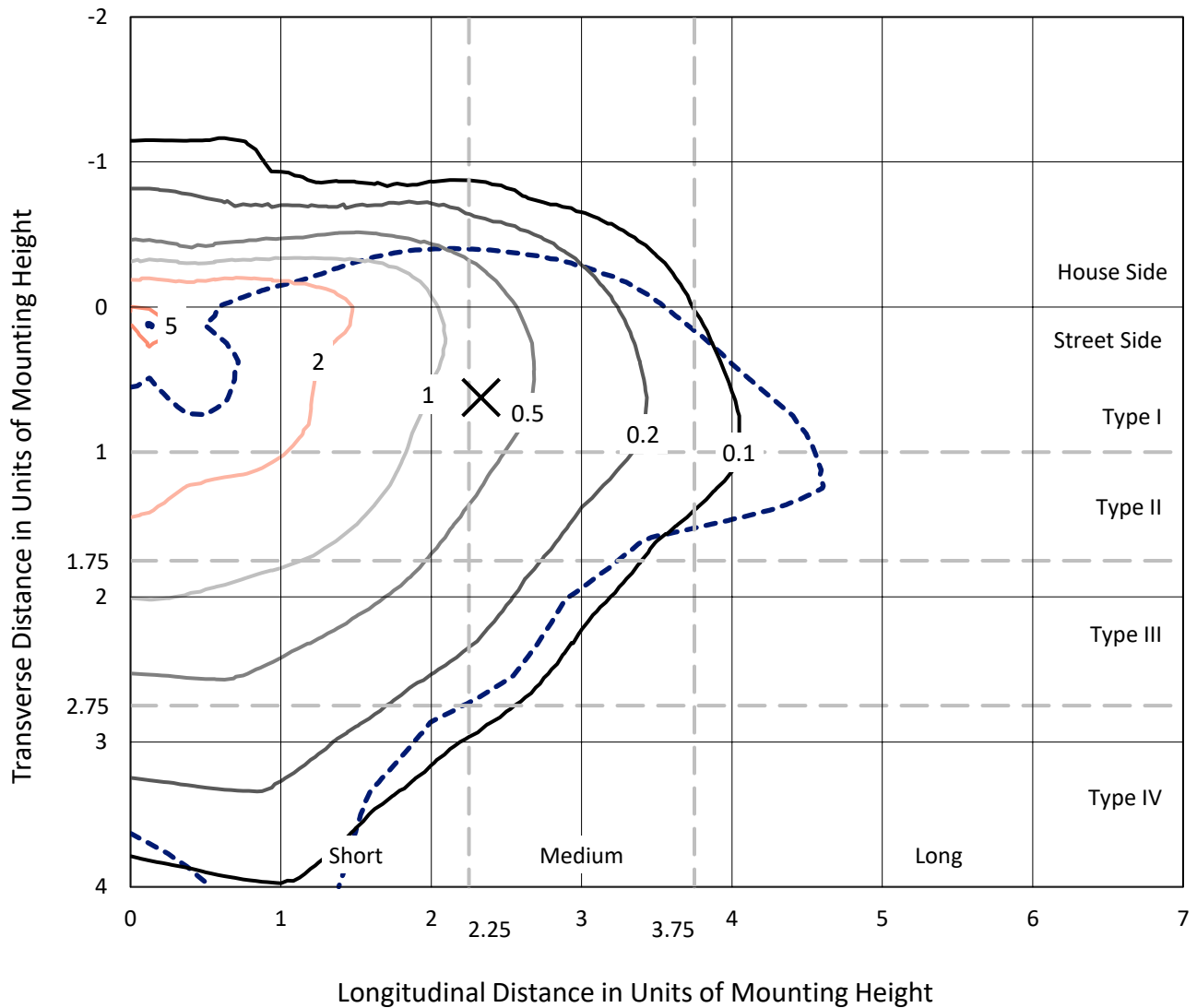
Input Watts (W): 111
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P386951
 CATALOG NUMBER: GPC-SA2C-830-U-SLL

Iso-Footcandle Lines of Horizontal Illumination

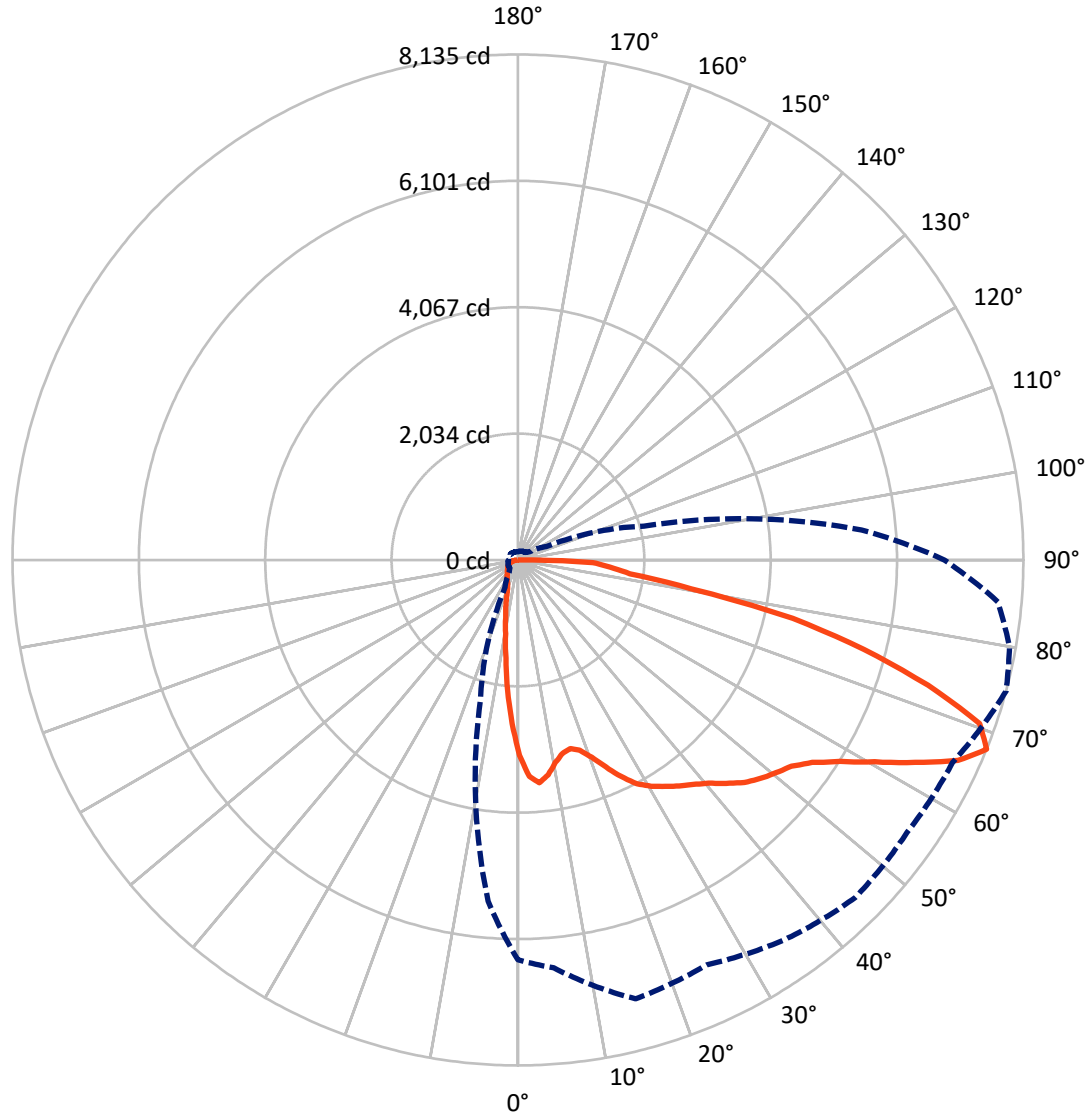
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 fc
 Type III - Medium - N/A

REPORT NUMBER: P386951
CATALOG NUMBER: GPC-SA2C-830-U-SLL

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P386951
 CATALOG NUMBER: GPC-SA2C-830-U-SLL

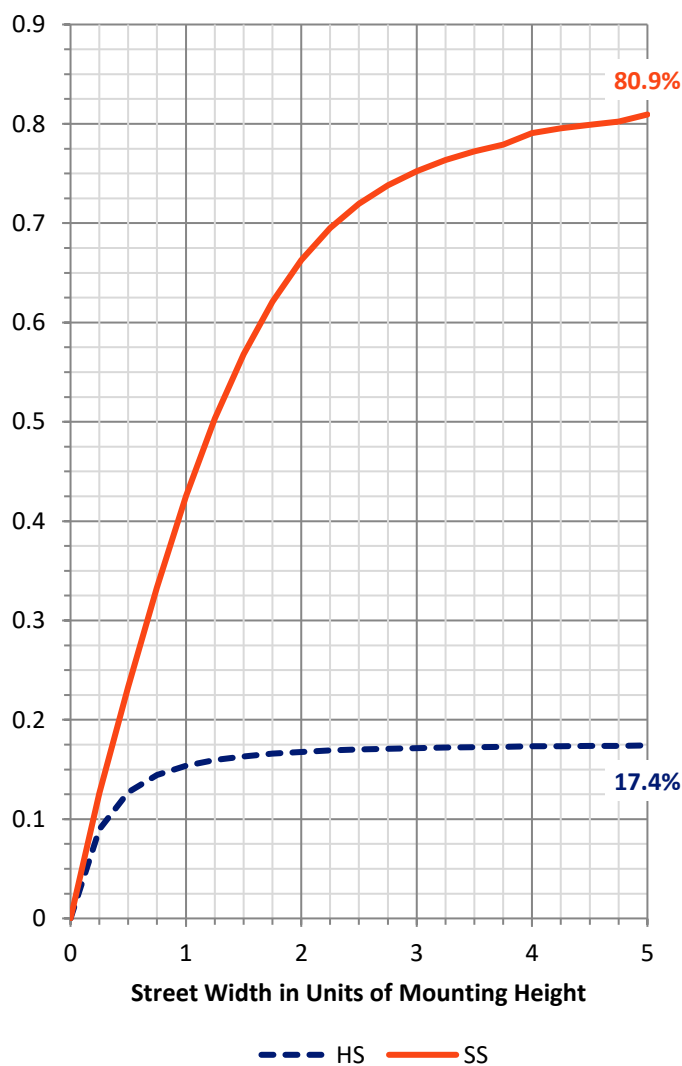
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1815.7	0.0	1815.7
	% Fixture	17.6	0.0	17.6
Street Side	Lumens	8493.3	0.0	8493.3
	% Fixture	82.4	0.0	82.4
Total	Lumens	10309.0	0.0	10309.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.4	2.4
10°-20°	503.5	4.9
20°-30°	716.1	6.9
30°-40°	1032.0	10.0
40°-50°	1454.3	14.1
50°-60°	2021.8	19.6
60°-70°	2444.9	23.7
70°-80°	1502.9	14.6
80°-90°	391.1	3.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	10309.0	100.0
0°-180°	10309.0	100.0

Coefficient of Utilization



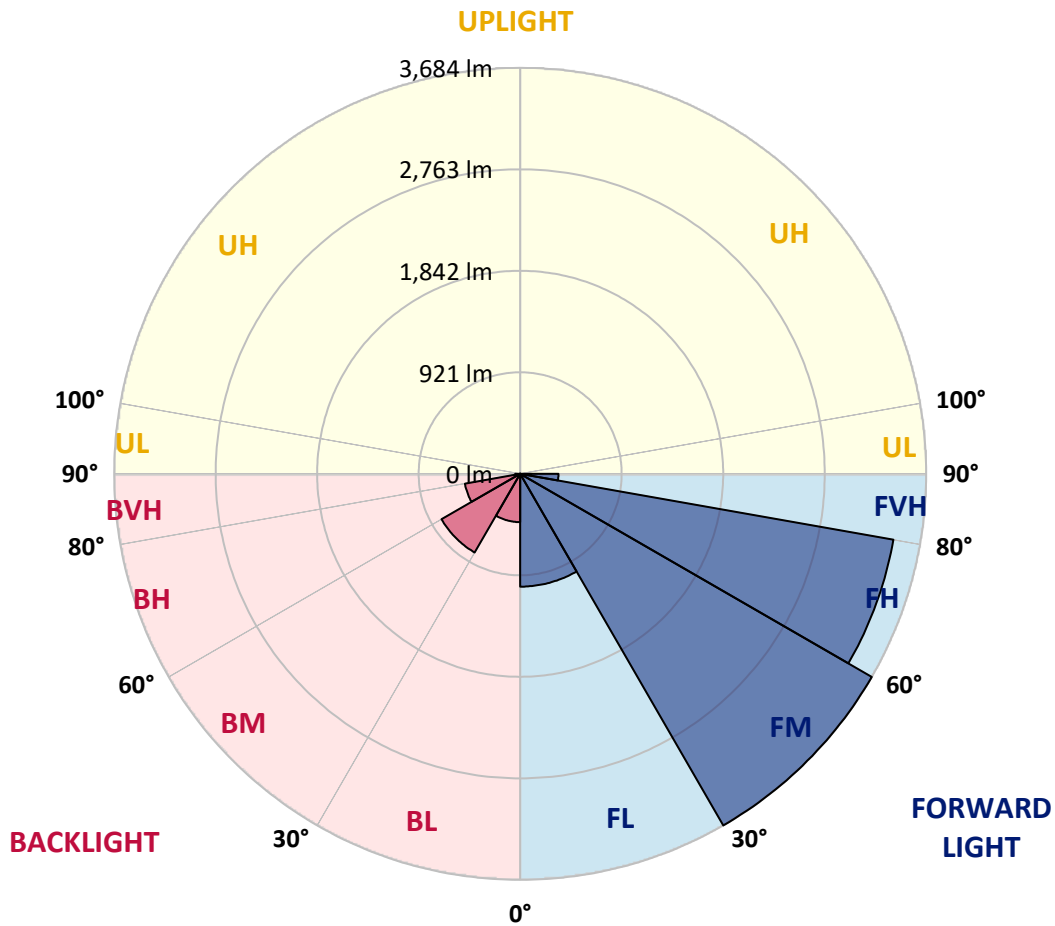
REPORT NUMBER: P386951
 CATALOG NUMBER: GPC-SA2C-830-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1023.6	9.9			
FM (30°-60°)	3683.9	35.7			
FH (60°-80°)	3438.7	33.4			G2/5000
FVH (80°-90°)	347.1	3.4			G3/500
BL (0°-30°)	438.5	4.3	B1/500		
BM (30°-60°)	824.2	8.0	B1/1000		
BH (60°-80°)	509.0	4.9	B2/1000		G2/1000
BVH (80°-90°)	43.9	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Medium





REPORT NUMBER: P386951

CATALOG NUMBER: GPC-SA2C-830-U-SLL

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	3140.7	3140.7	3140.7	3140.7	3140.7	3140.7	3140.7	3140.7	3140.7	3140.7	3140.7
2.5°	3347.6	3391.7	3422.2	3452.3	3475.8	3498.9	3532.7	3566.4	3573.0	3579.2	3566.0
5°	3327.8	3435.4	3526.9	3618.0	3702.5	3787.0	3837.7	3888.3	3898.7	3909.0	3877.2
7.5°	3114.7	3273.4	3432.1	3590.8	3736.3	3881.8	3970.4	4058.6	4078.8	4098.6	4046.6
10°	2872.4	3057.0	3252.0	3446.9	3638.6	3830.2	3958.4	4086.6	4112.2	4137.7	4073.0
12.5°	2688.1	2889.7	3097.8	3306.0	3508.3	3710.3	3843.0	3975.7	4007.5	4039.2	3992.2
15°	2617.2	2838.2	3033.9	3229.7	3406.1	3582.1	3690.9	3799.3	3812.5	3825.3	3817.9
17.5°	2688.1	2931.7	3108.9	3285.8	3381.8	3477.4	3521.1	3564.4	3578.8	3592.8	3611.8
20°	2895.4	3158.4	3283.3	3407.8	3403.6	3399.1	3378.1	3356.7	3352.9	3349.2	3402.8
22.5°	3191.4	3496.8	3546.7	3596.1	3480.3	3364.5	3294.0	3223.1	3209.1	3194.7	3251.6
25°	3538.8	3864.0	3855.0	3845.5	3625.0	3404.1	3269.7	3135.3	3119.7	3104.0	3152.6
27.5°	3916.8	4227.6	4168.2	4108.9	3809.2	3509.6	3314.6	3119.7	3104.0	3088.3	3131.2
30°	4212.3	4494.2	4399.0	4303.8	3964.6	3625.4	3393.8	3162.1	3136.6	3110.6	3163.4
32.5°	4462.5	4702.4	4574.6	4446.8	4090.7	3734.6	3484.0	3233.4	3193.4	3153.5	3223.9
35°	4723.0	4910.1	4730.4	4550.3	4203.2	3855.8	3590.8	3325.3	3276.3	3227.2	3324.1
37.5°	5016.0	5171.4	4913.4	4655.0	4329.8	4004.6	3750.7	3496.4	3446.1	3395.8	3519.5
40°	5325.6	5455.0	5110.8	4766.7	4468.3	4169.9	3972.0	3773.8	3726.0	3677.7	3827.8
42.5°	5596.4	5690.7	5294.7	4898.6	4635.2	4371.4	4232.1	4092.4	4092.0	4091.1	4243.2
45°	5800.4	5882.4	5448.0	5013.1	4798.0	4582.4	4509.9	4437.4	4495.5	4553.6	4691.2
47.5°	5969.8	6025.4	5576.6	5127.3	4984.3	4841.3	4852.0	4862.7	4981.0	5099.3	5187.9
50°	6163.5	6118.6	5693.2	5267.4	5223.3	5179.2	5275.7	5371.7	5507.7	5643.3	5703.5
52.5°	6373.3	6254.2	5851.5	5448.4	5497.8	5547.3	5743.5	5939.7	6076.9	6214.2	6236.9
55°	6750.4	6567.8	6142.5	5716.7	5811.9	5906.7	6194.8	6482.5	6589.7	6696.8	6705.1
57.5°	7175.4	7013.4	6550.1	6086.8	6189.0	6291.3	6623.9	6956.1	7071.9	7187.3	7171.2
60°	7339.0	7346.8	6937.1	6527.0	6630.1	6733.1	7057.1	7381.0	7514.2	7646.9	7611.4
62.5°	7174.1	7367.4	7148.6	6929.3	7022.9	7116.0	7433.4	7750.7	7887.2	8023.6	7961.8
65°	6848.1	7039.8	7137.8	7235.9	7266.9	7297.8	7594.1	7890.0	7994.7	8099.0	8067.7
67.5°	6433.5	6588.4	6950.3	7311.8	7249.5	7187.3	7326.2	7465.1	7572.7	7680.3	7662.5
70°	5953.3	6137.9	6620.6	7103.2	6797.4	6491.2	6433.9	6376.6	6492.8	6608.6	6536.9
72.5°	5092.3	5370.9	5885.7	6400.1	5836.6	5273.2	5077.4	4881.7	5028.8	5175.9	5061.8
75°	3846.3	4216.0	4784.8	5353.2	4680.9	4008.7	3747.4	3486.1	3612.6	3739.1	3660.8
77.5°	2674.9	3138.6	3698.8	4258.9	3575.5	2891.7	2697.6	2503.1	2541.0	2578.5	2565.3
80°	1823.8	2128.8	2519.6	2909.9	2454.8	1999.8	2015.1	2029.9	2012.2	1994.0	2020.4
82.5°	1143.8	1358.5	1660.2	1961.5	1720.0	1478.4	1616.9	1755.4	1687.4	1619.0	1644.5
85°	644.2	775.3	1070.4	1365.1	1272.3	1179.2	1260.4	1341.2	1235.7	1130.2	1176.7
87.5°	122.8	204.4	592.3	979.7	889.4	799.2	694.5	589.8	450.1	310.4	453.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P386951
 CATALOG NUMBER: GPC-SA2C-830-U-SLL

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P386951

CATALOG NUMBER: GPC-SA2C-830-U-SLL

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	3140.7	3140.7	3140.7	3140.7	3140.7	3140.7	3140.7	3140.7	3140.7	3140.7	3140.7
2.5°	3552.8	3545.8	3538.8	3513.7	3488.1	3450.2	3418.9	3364.5	3334.8	3289.9	3245.0
5°	3845.1	3800.6	3756.0	3679.4	3602.3	3516.6	3418.1	3308.8	3226.4	3119.3	3012.1
7.5°	3994.7	3890.8	3786.5	3639.4	3491.8	3359.1	3203.3	3058.3	2934.6	2795.3	2656.0
10°	4008.3	3852.5	3696.3	3505.0	3313.4	3152.2	2972.9	2811.8	2663.4	2503.5	2343.1
12.5°	3944.8	3779.1	3613.0	3402.4	3191.4	3008.4	2815.5	2635.0	2470.5	2294.5	2118.1
15°	3810.5	3678.1	3545.4	3348.0	3150.6	2965.9	2778.8	2564.9	2379.0	2198.9	2018.4
17.5°	3630.3	3567.7	3504.6	3362.0	3219.0	3059.1	2877.7	2626.7	2409.1	2213.3	2017.5
20°	3456.0	3479.1	3501.7	3444.9	3388.0	3259.8	3101.5	2819.6	2541.8	2285.9	2029.5
22.5°	3308.0	3418.9	3529.4	3573.5	3617.1	3540.1	3416.4	3090.4	2722.8	2388.5	2054.2
25°	3200.9	3384.7	3568.5	3715.2	3861.6	3827.3	3732.1	3419.3	2962.6	2536.5	2109.9
27.5°	3174.1	3399.5	3625.0	3852.5	4079.6	4111.3	4085.0	3765.9	3248.7	2720.3	2191.5
30°	3216.1	3444.4	3672.4	3949.3	4225.9	4352.4	4387.9	4054.9	3575.5	2934.6	2293.3
32.5°	3294.4	3518.2	3742.0	4043.7	4345.0	4536.3	4649.2	4319.1	3803.4	3096.2	2388.5
35°	3421.0	3630.3	3839.7	4153.8	4467.9	4715.1	4921.2	4591.9	4005.8	3209.1	2412.0
37.5°	3642.7	3822.8	4002.9	4293.1	4582.8	4903.5	5213.0	4892.4	4224.7	3317.9	2410.7
40°	3977.8	4105.1	4232.1	4477.3	4722.2	5125.7	5543.6	5227.5	4466.6	3435.8	2405.0
42.5°	4395.3	4460.8	4526.0	4720.1	4914.2	5357.7	5843.7	5555.1	4697.4	3545.4	2393.4
45°	4828.5	4845.8	4863.1	4985.5	5107.5	5541.5	6048.1	5801.2	4899.0	3640.6	2381.9
47.5°	5276.1	5216.8	5157.4	5206.0	5254.7	5682.5	6194.0	5987.9	5101.3	3746.2	2390.5
50°	5763.7	5598.4	5433.1	5407.6	5382.0	5823.5	6365.9	6225.3	5344.5	3899.9	2455.3
52.5°	6259.1	5986.7	5714.2	5613.3	5511.9	5991.6	6593.8	6520.8	5691.6	4138.1	2584.3
55°	6713.3	6366.7	6020.1	5884.0	5748.0	6248.8	6872.0	6954.8	6136.3	4442.7	2748.7
57.5°	7154.7	6762.0	6369.2	6243.0	6116.9	6626.8	7224.4	7344.3	6585.5	4734.9	2883.9
60°	7576.0	7187.3	6798.2	6697.2	6595.9	7096.6	7605.2	7517.9	6817.2	4871.8	2925.9
62.5°	7899.9	7590.8	7281.7	7228.5	7174.9	7571.9	7897.9	7450.3	6670.0	4737.0	2803.9
65°	8036.4	7860.4	7684.0	7733.8	7783.3	7931.3	7970.8	7252.4	6207.6	4359.5	2511.3
67.5°	7644.4	7680.3	7716.1	7925.5	8134.5	8032.7	7754.0	6862.5	5549.4	3824.5	2099.6
70°	6464.8	6679.9	6894.7	7390.1	7885.1	7659.2	7173.3	6162.7	4757.2	3208.3	1659.0
72.5°	4947.2	5189.1	5430.7	6166.0	6900.9	6692.7	6097.5	5061.8	3814.2	2562.0	1309.4
75°	3582.1	3855.4	4128.2	4939.4	5750.5	5461.6	4561.0	3624.2	2897.1	1955.7	1013.9
77.5°	2551.7	2734.7	2917.7	3719.0	4519.8	4049.1	3036.0	2438.8	2005.2	1359.3	713.0
80°	2046.8	1990.7	1934.7	2381.1	2827.4	2749.1	2008.1	1566.2	1387.8	910.9	434.0
82.5°	1669.7	1532.8	1396.0	1606.2	1816.4	1804.9	1393.5	1149.1	1032.9	633.1	233.3
85°	1222.9	1168.1	1113.3	1299.1	1485.0	1326.3	943.9	730.4	805.4	466.2	126.9
87.5°	596.4	681.3	765.8	985.1	1203.9	903.9	286.5	141.8	196.2	129.0	61.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P386951
 CATALOG NUMBER: GPC-SA2C-830-U-SLL

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P386951

CATALOG NUMBER: GPC-SA2C-830-U-SLL

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	3140.7	3140.7	3140.7	3140.7	3140.7	3140.7	3140.7	3140.7	3140.7	3140.7	3140.7
2.5°	3211.6	3177.8	3139.4	3101.1	3057.4	3013.3	2987.4	2961.0	2932.5	2904.1	2872.0
5°	2941.2	2870.3	2789.9	2709.6	2630.0	2550.5	2507.6	2464.7	2419.4	2373.6	2334.1
7.5°	2552.9	2449.5	2338.2	2226.5	2127.6	2028.3	1966.8	1905.0	1849.0	1792.5	1745.1
10°	2211.3	2079.4	1967.7	1855.6	1781.0	1706.4	1649.9	1593.4	1539.0	1484.2	1431.9
12.5°	1986.2	1854.3	1783.4	1712.5	1650.7	1588.9	1523.8	1458.2	1383.6	1308.6	1253.8
15°	1898.4	1778.5	1699.8	1620.6	1537.8	1454.5	1374.6	1294.6	1206.4	1118.2	1056.0
17.5°	1860.5	1703.5	1593.4	1483.0	1373.7	1264.5	1171.8	1079.0	982.6	886.2	823.1
20°	1820.5	1611.6	1464.0	1316.0	1175.9	1035.8	930.7	825.6	739.4	653.3	605.1
22.5°	1784.3	1513.9	1328.8	1143.3	977.7	812.0	708.9	605.5	552.7	500.0	480.6
25°	1769.4	1428.6	1201.0	973.5	798.8	623.6	550.2	476.9	456.7	436.1	426.2
27.5°	1771.9	1352.3	1093.5	834.2	676.8	519.3	469.0	418.8	406.4	393.6	387.4
30°	1781.4	1269.5	992.1	714.7	584.9	455.0	422.5	389.5	376.3	363.1	355.3
32.5°	1792.1	1195.3	913.8	631.8	525.9	419.6	392.8	365.6	352.8	340.0	332.2
35°	1773.5	1134.7	860.2	585.7	488.0	389.9	367.2	344.2	330.1	316.1	308.7
37.5°	1742.2	1073.7	818.6	563.0	463.3	363.1	346.6	329.7	315.3	300.5	293.5
40°	1713.8	1022.2	787.6	552.7	449.7	346.2	332.2	318.2	303.4	288.1	279.9
42.5°	1690.7	987.5	757.1	526.7	437.3	347.5	327.7	307.5	293.0	278.6	269.6
45°	1673.4	964.9	733.2	501.6	425.8	349.9	324.8	299.6	285.2	270.4	259.7
47.5°	1671.7	952.9	716.3	479.8	403.9	327.7	317.4	307.1	286.0	264.6	252.2
50°	1694.4	933.6	696.6	459.2	382.9	306.6	320.7	334.3	298.4	262.1	246.5
52.5°	1741.8	899.3	665.2	431.1	357.3	283.2	305.0	326.4	295.5	264.2	244.0
55°	1799.1	849.1	617.8	386.2	323.5	260.5	279.9	298.8	279.4	259.7	235.3
57.5°	1835.0	785.6	558.1	330.6	285.6	240.7	251.8	262.5	254.7	246.9	222.2
60°	1813.5	701.1	490.9	280.3	252.2	224.2	222.2	219.7	231.2	242.8	214.3
62.5°	1708.8	613.7	431.5	249.4	228.3	206.9	202.4	197.4	216.4	234.9	204.8
65°	1532.0	552.7	394.0	235.3	211.9	188.4	183.4	178.5	184.2	190.0	176.0
67.5°	1307.4	515.2	372.6	230.0	201.5	172.7	166.9	161.2	159.9	158.7	153.7
70°	1075.7	492.1	358.6	225.0	190.4	155.4	150.0	144.7	143.0	141.0	137.3
72.5°	899.3	489.2	356.9	224.6	181.4	138.1	133.1	128.2	126.1	123.6	120.8
75°	736.5	459.2	338.8	218.4	169.0	119.1	114.6	110.0	108.4	106.3	103.9
77.5°	546.5	380.0	284.8	189.6	144.7	99.7	95.2	90.3	89.9	89.0	87.0
80°	354.5	274.9	203.6	132.3	105.5	78.3	74.6	70.5	70.9	71.3	69.7
82.5°	197.0	160.3	124.5	88.6	72.1	55.6	54.0	51.9	53.2	54.0	51.9
85°	103.9	80.8	66.8	52.8	41.6	30.5	30.5	30.1	31.7	33.4	31.7
87.5°	44.9	28.4	24.3	19.8	11.1	2.1	2.5	2.5	3.3	4.1	3.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P386951
 CATALOG NUMBER: GPC-SA2C-830-U-SLL

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P386951
 CATALOG NUMBER: GPC-SA2C-830-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3140.7	3140.7	3140.7	3140.7	3140.7	3140.7	3140.7	3140.7	3140.7	3140.7	3140.7
2.5°	2839.4	2809.3	2778.8	2745.4	2751.6	2726.0	2700.5	2684.4	2668.3	2663.4	2658.5
5°	2294.5	2260.3	2225.7	2194.8	2221.6	2203.4	2185.3	2182.8	2179.9	2179.9	2179.5
7.5°	1697.7	1661.0	1623.9	1598.4	1624.7	1621.5	1618.2	1635.9	1653.6	1668.0	1682.0
10°	1379.5	1335.0	1290.1	1252.2	1245.6	1226.6	1207.2	1211.3	1215.1	1230.7	1246.4
12.5°	1199.0	1145.8	1092.6	1048.1	1027.9	996.6	964.9	945.1	925.3	927.4	929.0
15°	993.3	941.8	889.9	851.5	838.8	814.4	790.1	765.4	740.2	729.9	719.2
17.5°	759.6	718.4	676.8	651.2	651.2	644.2	637.2	624.8	612.1	601.8	591.0
20°	556.8	535.0	512.7	502.0	505.3	505.7	505.7	511.9	518.1	514.8	511.5
22.5°	460.8	453.0	445.1	440.6	442.3	442.7	443.1	448.8	454.2	458.3	462.0
25°	415.9	410.9	406.0	404.3	408.0	408.5	408.5	412.2	415.9	420.0	424.1
27.5°	380.8	378.8	376.7	373.8	377.5	377.5	377.1	381.3	385.0	388.7	392.0
30°	347.5	348.3	348.7	347.9	350.3	352.0	353.2	356.1	358.6	361.5	364.4
32.5°	324.0	322.7	321.5	320.7	326.0	328.9	331.8	334.7	337.1	338.4	339.6
35°	301.3	298.4	295.5	293.5	298.4	302.1	305.8	311.2	316.1	317.0	317.8
37.5°	286.0	282.3	278.6	276.1	278.2	279.9	281.5	287.3	293.0	296.3	299.2
40°	271.6	267.9	264.2	262.1	263.4	263.8	264.2	267.1	269.6	275.7	281.5
42.5°	260.1	255.5	251.0	248.5	249.4	250.2	250.6	250.2	249.8	255.5	261.3
45°	248.5	243.6	238.6	235.8	236.2	236.2	236.2	235.3	234.1	237.0	239.9
47.5°	239.5	233.7	227.9	225.0	224.2	223.4	222.6	222.2	221.3	223.4	225.0
50°	230.4	224.2	217.6	214.3	212.3	211.4	210.6	210.2	209.4	211.4	213.1
52.5°	223.4	216.0	208.6	203.2	201.1	199.9	198.7	199.1	199.1	199.9	200.3
55°	211.0	204.4	197.4	193.7	190.0	189.2	188.4	189.6	190.4	190.4	190.4
57.5°	197.4	191.2	184.6	182.2	178.9	178.9	178.5	180.1	181.4	182.2	183.0
60°	185.5	178.5	171.5	169.4	168.2	167.8	167.3	169.4	171.0	172.7	174.3
62.5°	174.3	166.9	159.5	157.0	156.6	157.0	157.0	159.1	160.7	162.4	164.0
65°	162.0	154.6	146.7	144.3	145.1	146.3	147.6	149.2	150.4	152.1	153.7
67.5°	148.4	142.2	135.6	133.1	133.5	135.2	136.8	138.1	138.9	140.5	142.2
70°	133.5	128.2	122.8	121.2	120.8	122.8	124.5	125.3	126.1	128.2	129.8
72.5°	117.5	112.9	108.4	107.2	107.6	108.8	110.0	111.3	112.1	114.2	115.8
75°	101.0	96.9	92.7	91.9	92.7	94.0	95.2	96.0	96.9	99.3	101.4
77.5°	84.9	80.4	75.4	75.0	76.3	77.5	78.3	79.5	80.8	84.1	87.4
80°	68.0	63.1	57.7	57.3	58.5	59.8	61.0	62.2	63.5	67.6	71.3
82.5°	49.9	44.1	38.3	37.5	41.6	42.9	44.1	46.2	47.8	51.5	55.2
85°	30.1	24.3	18.5	18.1	21.8	23.9	26.0	28.4	30.5	33.8	37.1
87.5°	3.3	1.6	0.0	0.0	0.4	2.1	3.7	5.8	7.8	11.1	14.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P386951
 CATALOG NUMBER: GPC-SA2C-830-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P386951

CATALOG NUMBER: GPC-SA2C-830-U-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3140.7	3140.7	3140.7	3140.7	3140.7	3140.7	3140.7	3140.7	3140.7	3140.7	3140.7
2.5°	2640.3	2621.8	2640.7	2659.3	2667.1	2674.9	2654.7	2634.1	2666.3	2698.0	2706.3
5°	2163.0	2146.1	2158.9	2171.3	2143.7	2116.0	2113.2	2109.9	2133.8	2157.7	2161.4
7.5°	1676.7	1671.3	1683.3	1695.2	1660.2	1624.7	1607.4	1590.1	1595.9	1601.7	1600.8
10°	1250.1	1253.4	1268.2	1282.7	1255.4	1228.2	1216.3	1204.3	1217.5	1230.3	1242.3
12.5°	936.4	943.4	959.1	974.4	963.2	951.7	952.9	954.2	969.4	984.2	997.4
15°	727.5	735.7	746.8	757.6	758.0	758.0	768.7	779.0	777.8	776.5	785.6
17.5°	602.2	612.9	614.1	615.4	615.8	616.2	615.4	614.5	608.4	602.2	609.2
20°	515.6	519.3	522.6	525.5	521.8	517.7	507.4	497.1	492.9	488.8	495.4
22.5°	469.0	475.6	472.3	468.6	461.2	453.4	445.5	437.3	436.9	436.1	439.8
25°	429.9	435.2	429.5	423.7	418.3	413.0	407.6	402.3	401.9	401.4	403.1
27.5°	397.3	402.3	396.9	391.6	387.0	382.5	378.4	374.2	373.4	372.6	373.0
30°	369.3	373.8	369.3	364.4	361.1	357.3	354.5	351.6	351.2	350.8	350.8
32.5°	344.2	348.7	345.4	342.1	339.2	336.3	334.3	332.2	330.1	328.1	323.5
35°	322.3	326.8	324.8	322.3	319.0	315.7	312.0	307.9	302.5	296.8	294.3
37.5°	303.8	308.3	306.2	304.2	299.6	295.1	288.5	281.5	279.9	277.8	277.4
40°	288.9	295.9	291.8	287.3	280.3	273.3	270.0	266.7	265.8	265.0	264.2
42.5°	272.4	283.2	275.7	268.3	261.7	255.1	254.3	253.5	253.1	252.7	252.7
45°	251.8	263.4	256.0	248.1	244.4	240.7	240.7	240.7	241.1	241.1	241.9
47.5°	232.5	239.5	235.8	232.0	230.0	227.9	228.3	228.8	230.0	230.8	232.9
50°	216.0	218.4	219.3	219.7	218.4	217.2	218.0	218.4	219.7	220.5	222.2
52.5°	204.0	207.7	207.7	207.3	207.3	207.3	208.1	209.0	210.2	211.4	213.1
55°	196.2	201.5	199.9	198.3	198.7	198.7	199.5	200.3	201.5	202.4	204.8
57.5°	188.8	194.5	192.9	191.2	191.2	191.2	191.7	192.1	193.3	194.1	195.8
60°	180.1	185.9	184.2	182.2	182.6	183.0	183.4	183.4	184.2	184.6	184.6
62.5°	169.8	175.6	173.9	171.9	173.1	173.9	173.9	173.9	174.8	175.2	173.9
65°	159.1	164.5	162.8	161.2	162.8	164.0	164.9	165.3	164.9	164.5	163.2
67.5°	147.6	152.9	151.3	149.2	151.3	152.9	154.6	155.8	154.6	153.3	151.7
70°	135.2	140.5	138.5	136.4	138.5	140.5	142.2	143.8	142.2	140.5	140.1
72.5°	122.0	128.2	125.7	123.2	125.7	128.2	129.0	129.8	128.6	127.4	126.5
75°	107.6	113.8	111.7	109.2	111.3	113.3	113.8	114.2	114.2	113.8	111.3
77.5°	92.3	97.3	96.0	94.8	96.0	97.3	97.3	97.3	97.7	97.7	94.4
80°	74.2	77.1	77.5	77.9	78.3	78.7	78.3	77.9	77.1	76.3	74.2
82.5°	55.2	55.2	58.5	61.4	61.4	61.0	60.6	59.8	58.1	56.1	51.5
85°	35.0	33.0	38.3	43.3	43.3	42.9	42.0	40.8	37.5	33.8	30.1
87.5°	12.0	9.9	15.3	20.6	21.0	21.0	20.2	19.4	16.1	12.4	9.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P386951
 CATALOG NUMBER: GPC-SA2C-830-U-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P386951
 CATALOG NUMBER: GPC-SA2C-830-U-SLL

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3140.7	3140.7	3140.7	3140.7	3140.7	3140.7	3140.7	3140.7	3140.7	3140.7	3140.7
2.5°	2718.6	2724.0	2728.9	2769.3	2809.3	2856.3	2903.3	2939.1	2974.6	3011.3	3047.9
5°	2174.2	2180.8	2187.4	2236.4	2285.0	2350.6	2416.1	2472.6	2529.0	2595.4	2661.8
7.5°	1611.6	1626.0	1640.0	1692.3	1744.3	1814.8	1884.8	1958.6	2032.0	2118.5	2205.1
10°	1265.8	1293.0	1319.7	1373.3	1426.9	1496.6	1565.8	1642.9	1720.0	1805.3	1890.2
12.5°	1024.6	1060.9	1096.8	1161.1	1225.4	1308.6	1391.5	1477.2	1562.5	1637.5	1712.5
15°	809.5	849.1	888.2	956.2	1024.2	1115.7	1206.8	1300.4	1393.5	1483.4	1573.2
17.5°	631.4	664.0	696.1	753.8	811.1	899.8	988.4	1086.5	1184.6	1294.2	1403.4
20°	509.4	523.0	536.6	578.3	619.5	691.6	763.3	863.5	963.6	1094.7	1225.8
22.5°	446.4	453.4	460.0	480.2	500.0	546.5	592.7	681.3	769.5	912.5	1055.1
25°	408.5	413.8	419.2	432.4	445.5	467.8	490.1	552.3	614.5	755.1	895.2
27.5°	374.2	382.5	390.3	396.5	402.3	417.5	432.4	473.2	514.0	645.0	775.7
30°	349.5	352.4	355.3	364.8	373.8	389.5	405.2	433.6	462.0	572.9	683.4
32.5°	320.7	324.8	328.9	338.8	348.7	363.1	377.5	400.6	423.3	518.1	612.5
35°	294.7	298.8	302.9	312.8	322.3	338.0	353.2	372.6	391.6	474.0	556.4
37.5°	278.6	282.7	286.9	295.5	303.8	319.4	334.7	349.9	364.8	441.0	517.3
40°	265.0	269.1	273.3	281.5	289.3	304.6	319.4	332.2	345.0	416.3	487.6
42.5°	253.1	257.6	262.1	270.4	278.2	291.8	305.4	322.3	338.8	394.9	450.5
45°	243.2	247.7	251.8	260.9	270.0	283.2	296.3	319.8	343.3	383.7	424.1
47.5°	234.1	239.1	243.6	253.5	263.4	279.9	295.9	315.7	335.1	375.1	415.0
50°	225.5	231.2	237.0	248.9	260.5	288.1	315.3	318.2	320.7	368.1	415.0
52.5°	217.2	223.8	230.4	245.2	259.7	291.8	324.0	313.7	302.9	354.9	406.8
55°	209.0	214.7	220.1	238.2	256.4	279.9	303.4	289.8	275.7	330.1	384.5
57.5°	197.8	204.0	209.8	229.2	248.5	265.0	281.1	268.7	256.0	302.1	347.9
60°	186.3	193.3	200.3	225.0	249.4	246.5	243.2	240.7	237.8	270.8	303.8
62.5°	176.0	183.4	190.8	223.0	255.1	235.3	215.6	217.6	219.3	243.6	267.9
65°	165.7	173.1	180.1	196.2	212.3	204.4	196.6	199.9	202.8	226.7	250.6
67.5°	154.1	160.7	166.9	172.3	177.6	178.5	179.3	182.6	185.9	214.3	242.4
70°	141.4	146.7	152.1	155.8	159.1	160.7	162.0	166.1	170.2	201.1	232.0
72.5°	126.9	131.5	135.6	138.9	142.2	143.4	144.3	148.4	152.5	185.5	218.4
75°	111.3	115.0	118.3	121.2	124.1	125.7	127.4	130.2	133.1	169.0	204.4
77.5°	94.0	97.7	101.0	103.5	105.5	107.2	108.4	112.1	115.8	145.9	175.6
80°	73.4	77.9	82.0	84.1	85.7	86.1	86.1	89.4	92.7	114.2	135.2
82.5°	51.9	56.9	61.4	63.1	64.7	64.7	64.7	68.4	72.1	86.6	100.6
85°	30.5	35.9	40.8	42.5	44.1	44.9	45.3	47.0	48.2	58.5	68.4
87.5°	9.5	14.0	18.1	19.0	19.8	21.4	23.1	23.5	23.5	30.5	37.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P386951
 CATALOG NUMBER: GPC-SA2C-830-U-SLL

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P386951

CATALOG NUMBER: GPC-SA2C-830-U-SLL

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3140.7	3140.7	3140.7	3140.7	3140.7	3140.7	3140.7
2.5°	3090.0	3132.0	3181.1	3229.7	3271.3	3313.0	3347.6
5°	2746.2	2830.7	2934.2	3037.2	3129.1	3221.1	3327.8
7.5°	2314.3	2423.5	2557.5	2691.4	2821.3	2950.7	3114.7
10°	2001.5	2112.3	2254.1	2395.5	2541.4	2686.9	2872.4
12.5°	1802.8	1892.7	2029.9	2167.2	2338.6	2509.7	2688.1
15°	1671.7	1769.8	1903.4	2036.9	2224.4	2412.0	2617.2
17.5°	1532.0	1660.2	1831.2	2002.3	2224.4	2446.2	2688.1
20°	1385.7	1545.2	1766.9	1988.7	2287.9	2586.7	2895.4
22.5°	1239.8	1424.4	1708.8	1992.8	2384.0	2774.7	3191.4
25°	1108.3	1321.4	1673.4	2025.0	2523.7	3022.0	3538.8
27.5°	1008.6	1241.0	1659.0	2076.5	2700.9	3325.3	3916.8
30°	919.9	1156.5	1641.6	2126.8	2871.5	3615.9	4212.3
32.5°	843.3	1074.1	1608.3	2142.0	2990.7	3839.3	4462.5
35°	783.1	1009.8	1552.2	2094.6	3065.3	4035.9	4723.0
37.5°	731.2	945.1	1488.3	2031.6	3131.6	4231.7	5016.0
40°	681.7	875.8	1433.5	1990.7	3223.1	4455.5	5325.6
42.5°	634.7	819.0	1389.4	1959.8	3308.0	4655.8	5596.4
45°	599.7	775.3	1350.2	1924.8	3362.8	4800.9	5800.4
47.5°	582.4	749.3	1329.2	1908.7	3417.7	4926.2	5969.8
50°	579.9	744.8	1353.1	1961.5	3536.4	5110.8	6163.5
52.5°	579.5	752.2	1422.0	2091.7	3756.9	5421.6	6373.3
55°	570.8	756.7	1504.0	2250.8	4052.8	5854.4	6750.4
57.5°	544.5	741.1	1588.5	2435.5	4365.6	6295.4	7175.4
60°	503.7	703.2	1658.1	2612.7	4575.8	6538.6	7339.0
62.5°	452.6	636.8	1681.2	2725.2	4570.1	6414.9	7174.1
65°	408.9	567.1	1605.4	2643.2	4338.8	6034.1	6848.1
67.5°	370.1	497.5	1415.8	2333.7	3923.0	5511.9	6433.5
70°	342.1	451.7	1171.4	1891.0	3402.4	4913.4	5953.3
72.5°	324.4	429.9	955.0	1479.7	2761.1	4042.1	5092.3
75°	300.1	395.7	749.3	1102.5	2113.2	3123.8	3846.3
77.5°	254.7	333.4	564.7	795.9	1550.6	2304.8	2674.9
80°	196.6	257.6	388.3	518.9	1067.1	1615.3	1823.8
82.5°	140.1	179.7	235.3	291.0	708.9	1126.4	1143.8
85°	86.6	104.7	134.8	164.9	469.0	773.2	644.2
87.5°	46.6	55.6	71.3	86.6	150.0	213.5	122.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P386951
 CATALOG NUMBER: GPC-SA2C-830-U-SLL

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

MCGRAW EDISON

Report Number: SP1-2408-195-9

Test Date: 08/07/2024

Luminaire Tested: GALN-SB1A-830-U-5WQ

Data in this report applies to families of products including GALN-SB1A-830-U-5WQ.

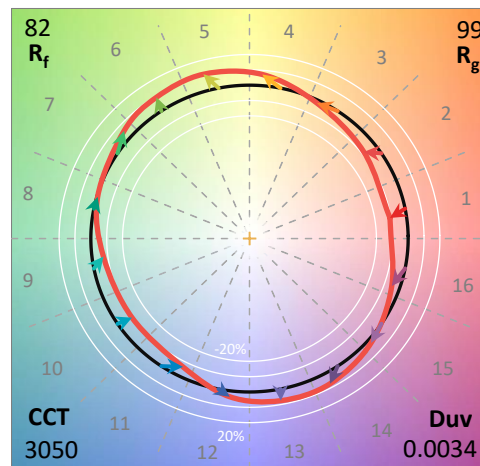
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2408-195-9
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 08/07/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: MCGRAW EDISON
 Catalog Number: **GALN-SB1A-830-U-5WQ**
 Description: GALLEON AREA AND ROADWAY LUMINAIRE. (1) 80 CRI, 3000K, 350MA HIGH DENSITY LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS

Spectral Parameters

CCT (K): 3050
 CIE u': 0.2476
 CIE v': 0.5251
 Duv: 0.0034
 CIE x: 0.4383
 CIE y: 0.4131
 CIE z: 0.1487
 Peak Wavelength (nm): 603
 Dominant Wavelength (nm): 581
 Purity: 55.55201
 Rf: 81.5
 Rg: 99.2

CRI (Ra):	81.0		
R1:	79.6	R9:	7.1
R2:	85.6	R10:	67.0
R3:	92.0	R11:	82.7
R4:	82.6	R12:	63.2
R5:	78.9	R13:	80.3
R6:	81.7	R14:	95.0
R7:	85.2	R15:	71.7
R8:	62.0		



Test Conditions

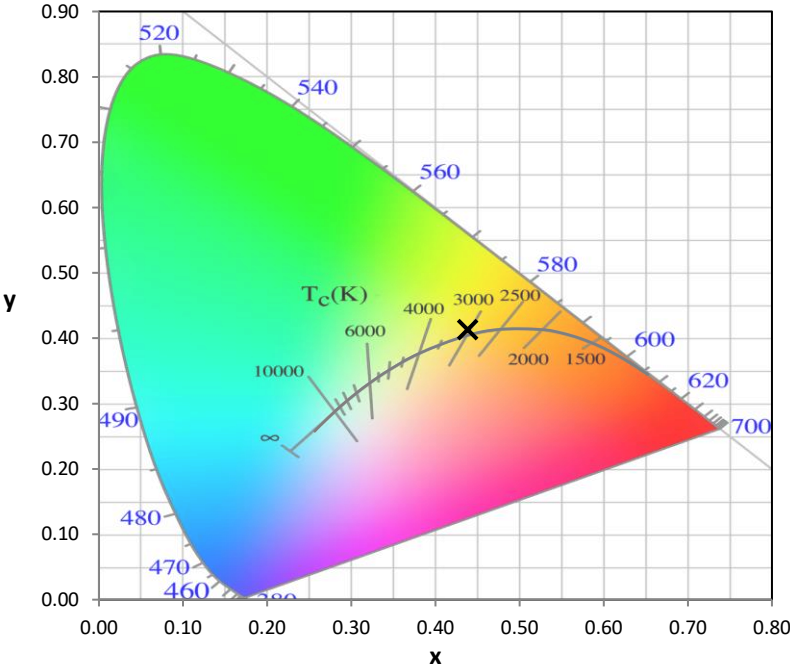
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 24.2

REPORT NUMBER: SP1-2408-195-9

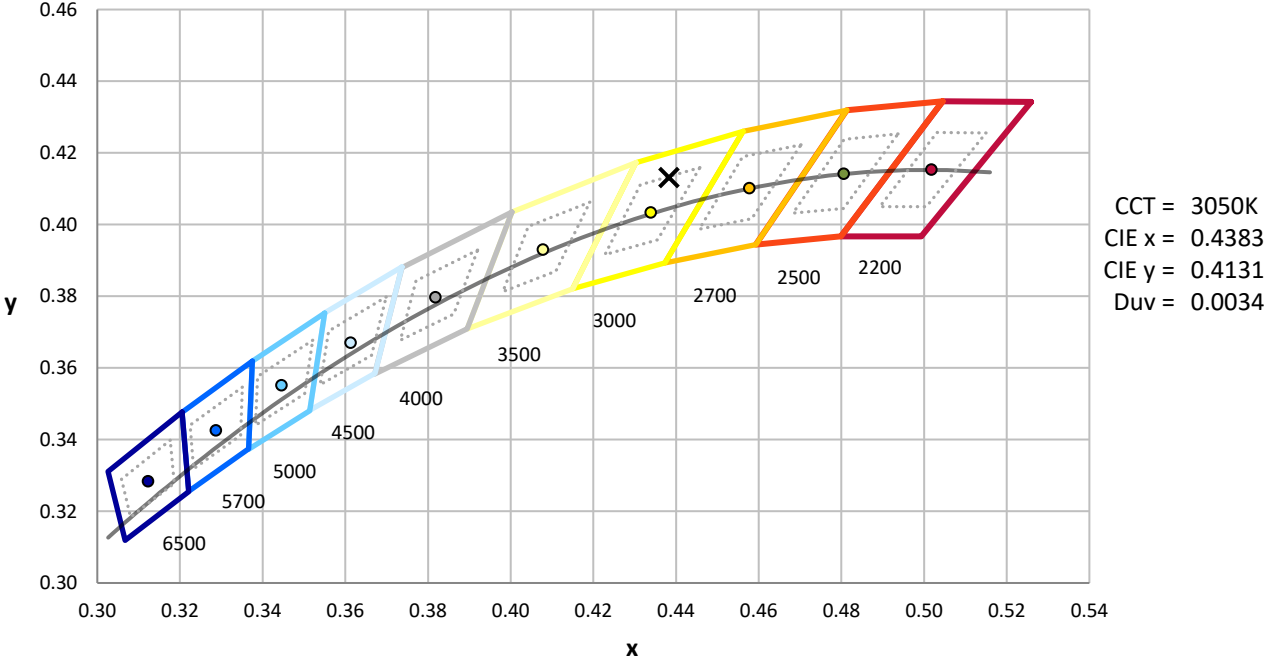
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

REPORT NUMBER: SP1-2408-195-9

CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles

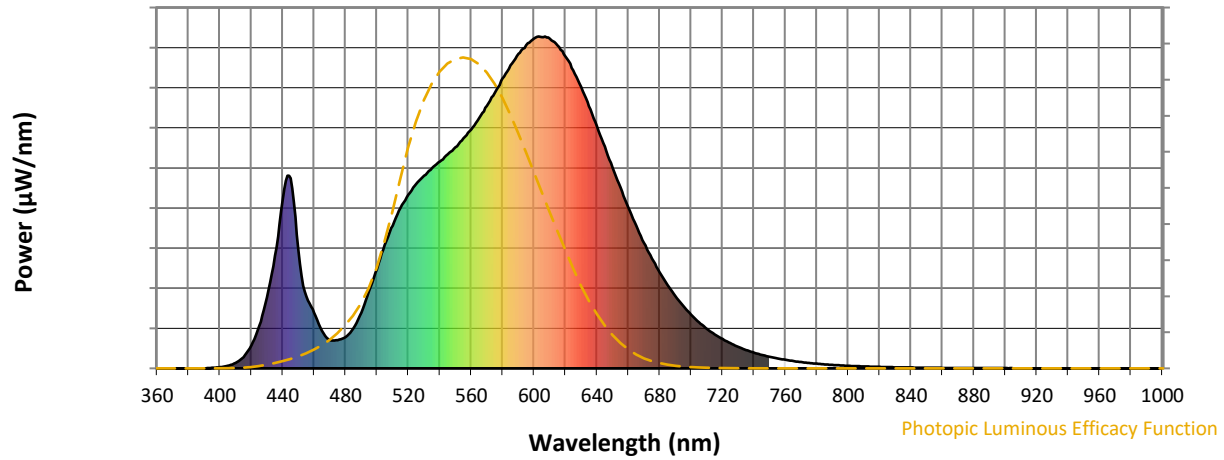


CCT = 3050K
 CIE x = 0.4383
 CIE y = 0.4131
 Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

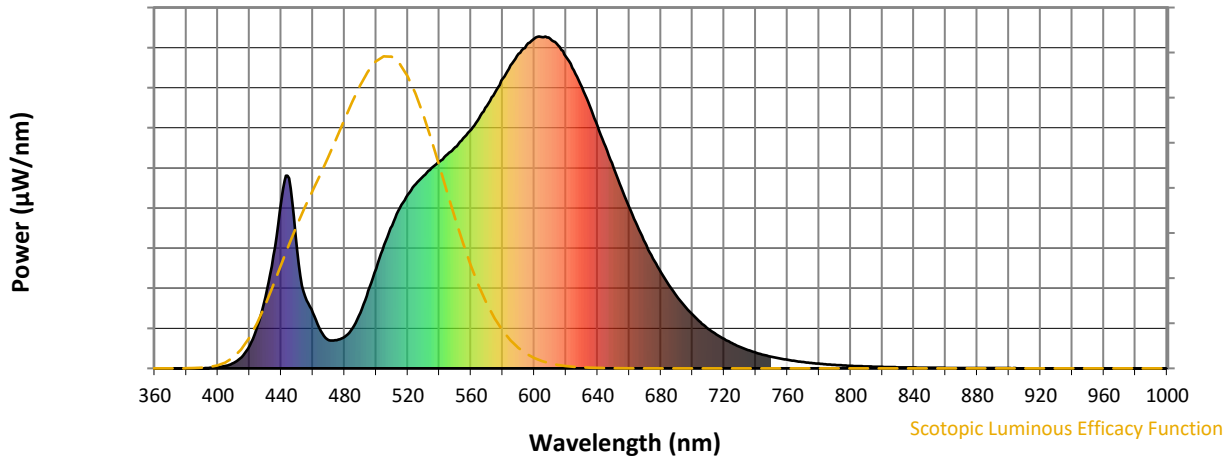


Photopic Lumens: NR

λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)
360	0	NR	490	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2408-195-9

Scotopic Flux vs. Wavelength



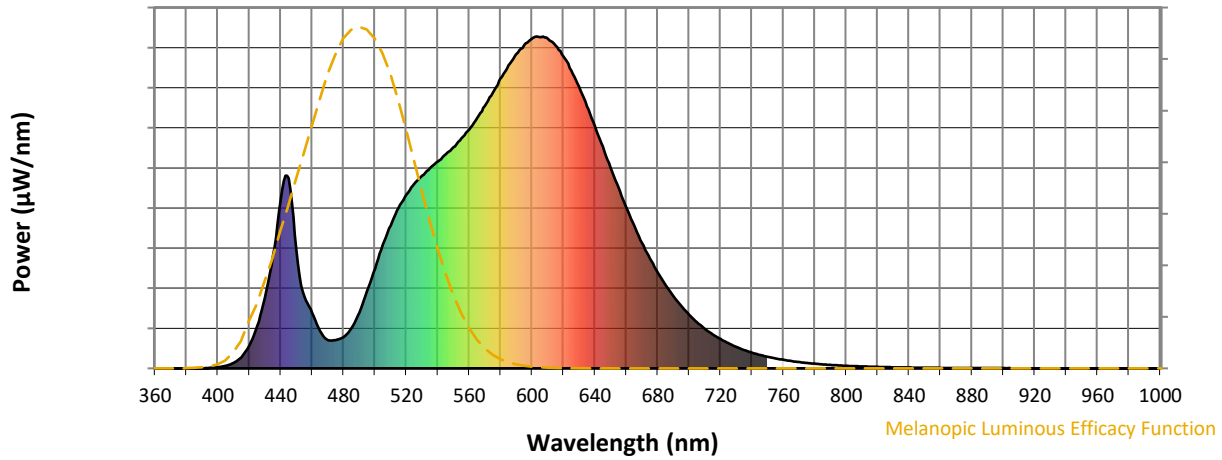
Scotopic Lumens: NR

S/P: 1.27

λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2408-195-9

Melanopic Flux vs. Wavelength



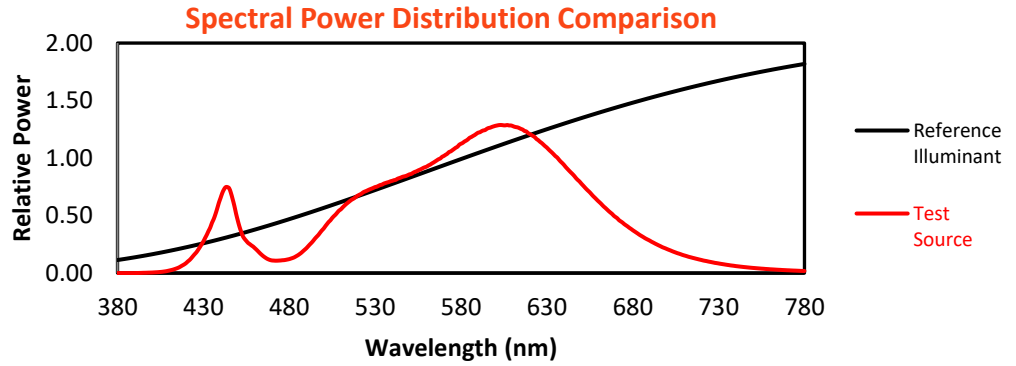
Melanopic Lumens: NR

M/P: 2.32

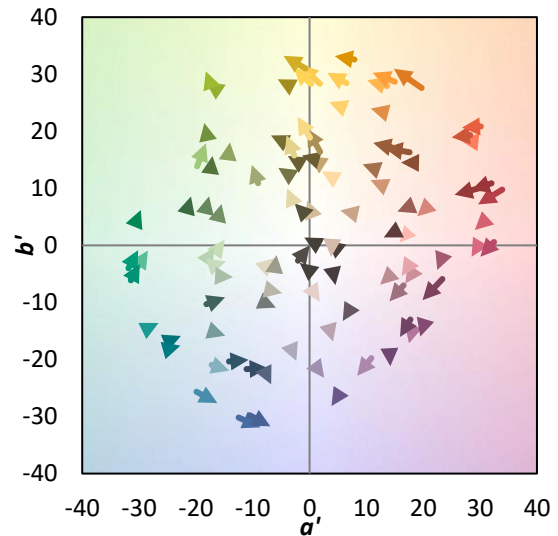
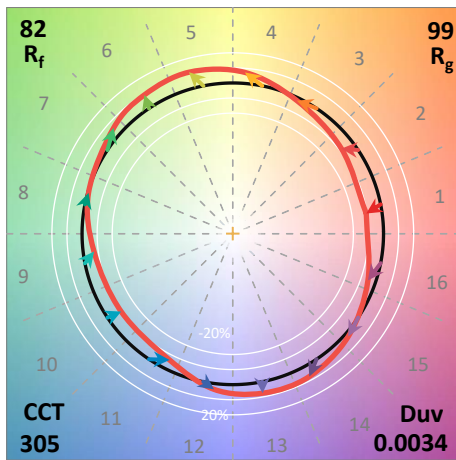
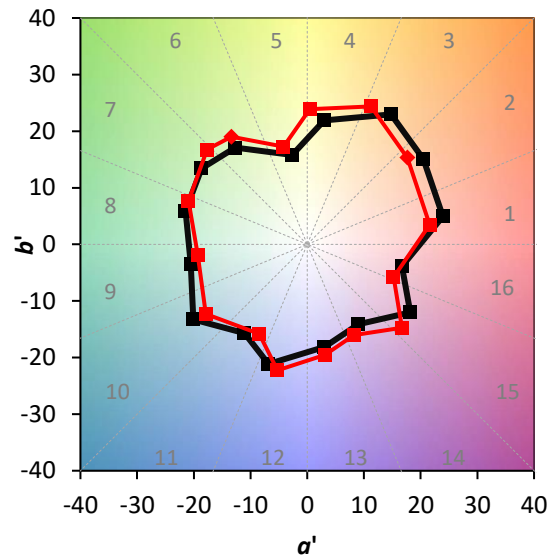
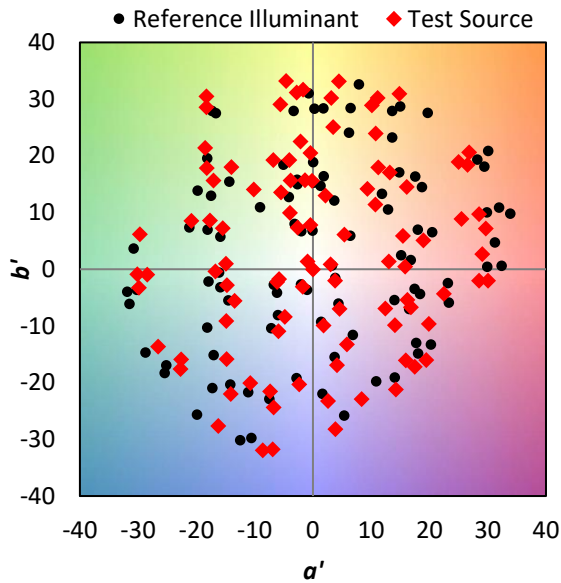
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

Summary

$R_f = 81.5$
 $R_g = 99.2$
 $CIE R_a = 81.0$
 $R_9 = 7.1$

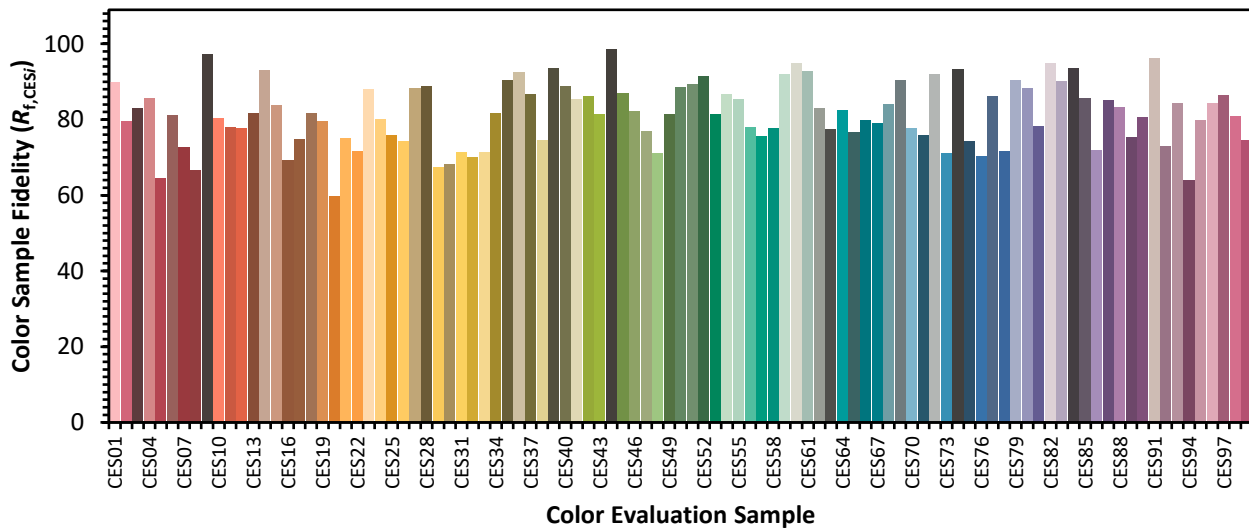


Color Vector Graphics

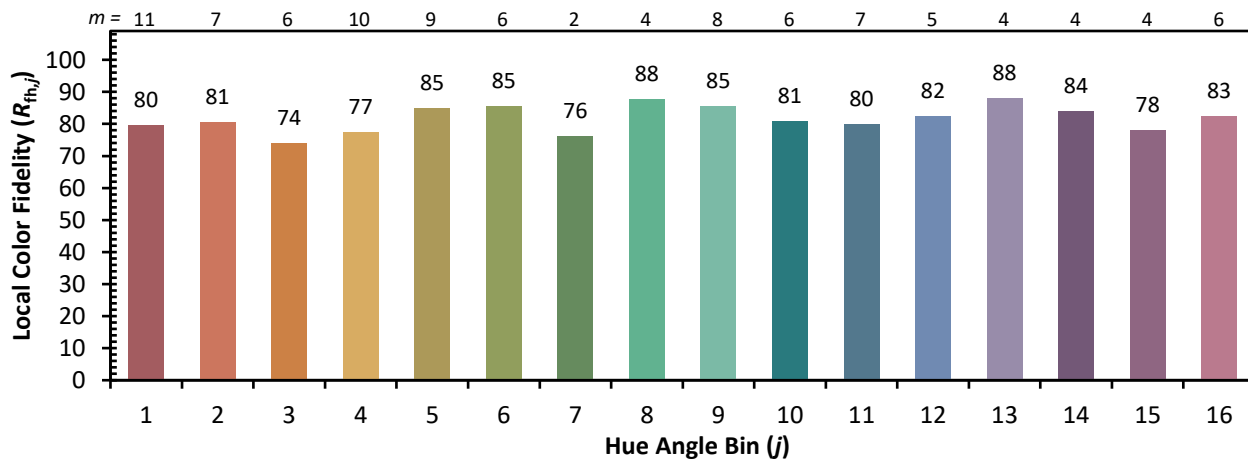
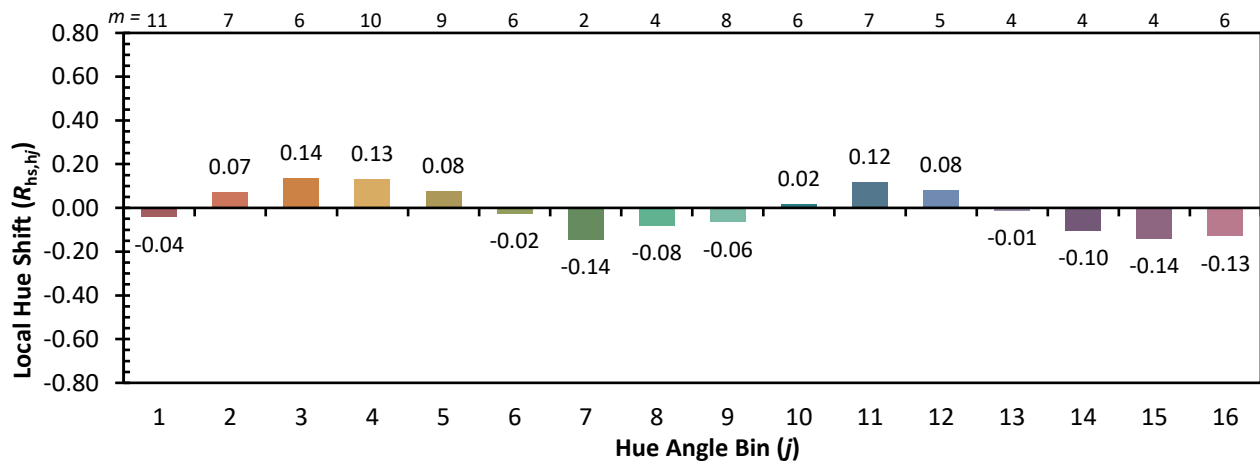
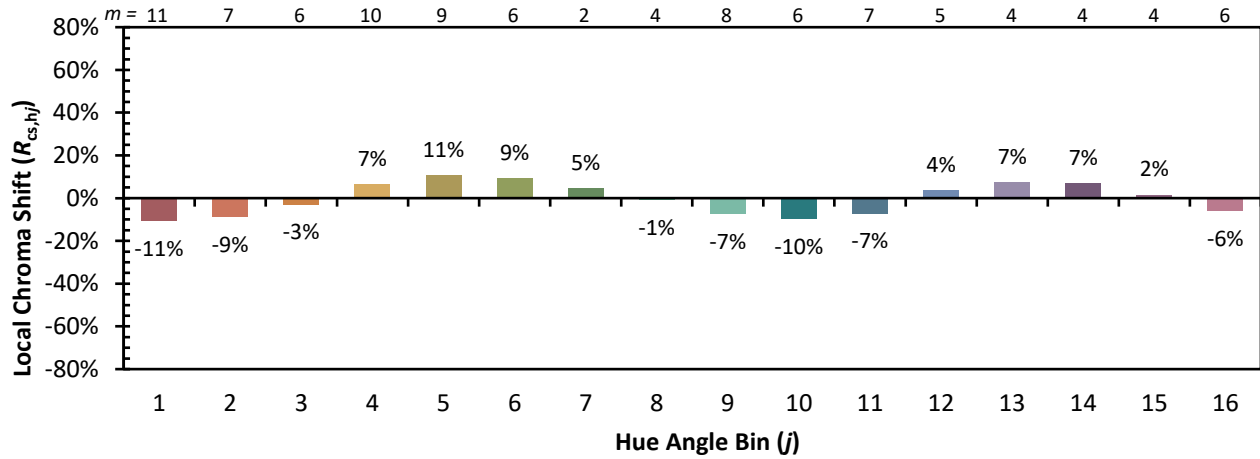


Individual Sample Fidelity Index ($R_{f,i}$)

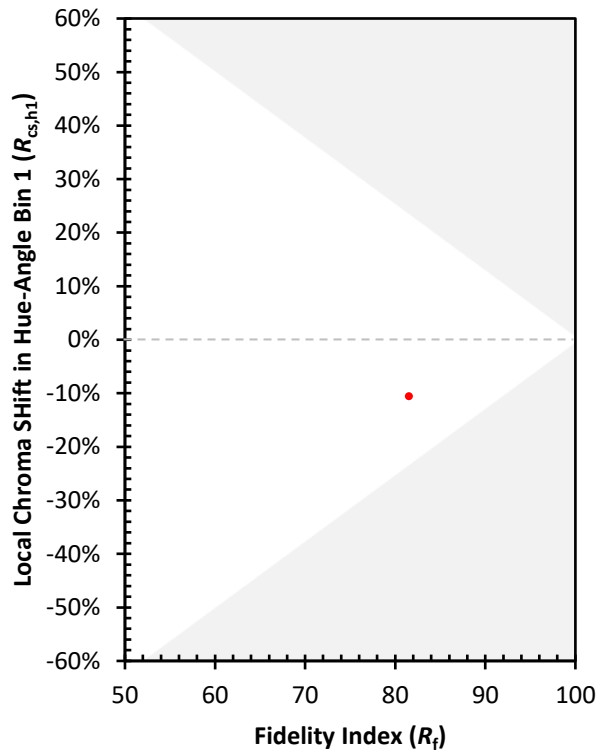
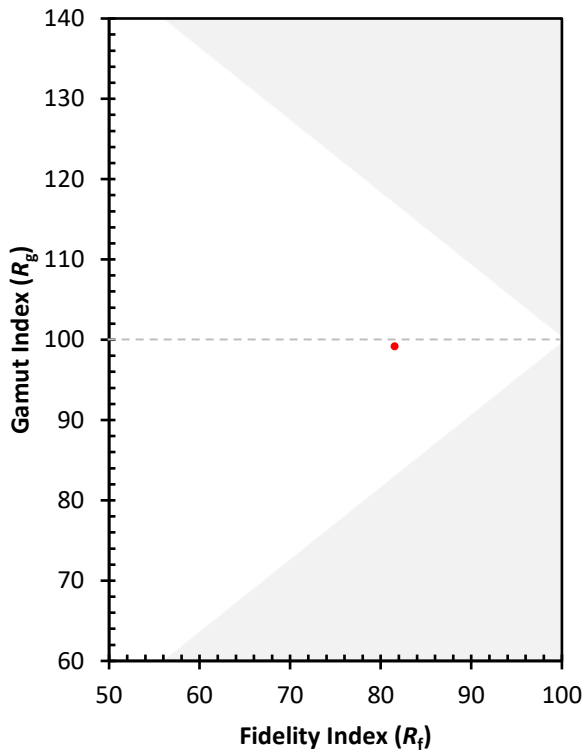
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 95
CES08 = 41	CES33 = 71	CES58 = 78	CES83 = 90
CES09 = 29	CES34 = 82	CES59 = 92	CES84 = 94
CES10 = 76	CES35 = 90	CES60 = 95	CES85 = 86
CES11 = 59	CES36 = 93	CES61 = 93	CES86 = 72
CES12 = 65	CES37 = 87	CES62 = 83	CES87 = 85
CES13 = 43	CES38 = 75	CES63 = 77	CES88 = 83
CES14 = 74	CES39 = 94	CES64 = 83	CES89 = 75
CES15 = 71	CES40 = 89	CES65 = 77	CES90 = 81
CES16 = 47	CES41 = 85	CES66 = 80	CES91 = 96
CES17 = 50	CES42 = 86	CES67 = 79	CES92 = 73
CES18 = 56	CES43 = 81	CES68 = 84	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 91	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 78	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 76	CES96 = 84
CES22 = 79	CES47 = 77	CES72 = 92	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 71	CES98 = 81
CES24 = 91	CES49 = 81	CES74 = 93	CES99 = 74
CES25 = 72	CES50 = 89	CES75 = 74	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)